AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently Amended) IntervertebralAn intervertebral implant (1), specifically an artificial intervertebral disk, with comprising a central axis (2), an upper section (10), suitable for laying onto the base plate of a vertebral body lying above and a lower section (20) suitable for laying onto the cover plate of a vertebral body lying below, wherein
- A) the upper section (10) is provided with a ventral side area (11), a dorsal side area (12), two lateral side areas (13,14), a top apposition surface (15) and a bottom surface (16);
- B) the lower section (20) is provided with a ventral side area (21), a dorsal side area (22), two lateral side areas (23,24), a bottom apposition surface (25) and a top surface (26);
- C) the two sections (10,20) moveable in relation to each other by means of two joints (38;39) arranged between the two sections (10;20), wherein
- D) each of the joints (38;39) is provided with a swivel axle (3;4) and the two swivel axles (3;4) are arranged perpendicular to each other;
- E) the two joints (38;39) are realised by means of an upper joint element (31) connected with the upper section (10), a central joint element (32) and a lower joint element (33) connected with the lower section (20);

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F) each joint (38;39) comprises a first joint element (31;32;33) with at least one axle

(34;36) coaxial to the swivel axle (3;4) and a second joint element (31;32;33) with at

least one bearing shell (35;37) receiving the axle (34;36), characterised in

thatwherein

G) roll bodies (70) are inserted between the axles (34;36) and the bearing shells

(35;37).

2. (Currently Amended) Intervertebral The intervertebral implant (1) according to

Claim 1, characterised in that wherein the central joint element (32) coaxial to the

swivel axle (3) comprises at least one axle (36) belonging to the lower joint (39) and

the lower joint element (33) comprises at least one bearing shell (37) receiving the

axle (36).

3. (Currently Amended) Intervertebral The intervertebral implant (1) according to

Claim 1-or Claim-2, characterised in thatwherein the upper joint element (31) coaxial

to the swivel axle (4) comprises at least one axle (34) belonging to the upper joint

(38) and the central joint element (32) comprises at least one bearing shell (35)

receiving the axle (34).

4. (Currently Amended) IntervertebralThe intervertebral implant (1) according to

one of the claimsclaim 1-to 3, characterised in that wherein the roll bodies (70) are

rotation-symmetric bodies, preferably balls.

5. (Currently Amended) Intervertebral The intervertebral implant (1) according to

ene of the claims claim 1-to 4, characterised in that wherein the bearing shells (35;37) are provided with grooves (71), in which the roll bodies (70) are conduced in axial direction.

- 6. (Currently Amended) Intervertebral The intervertebral implant (1) according to one of the claims claim 1 to 5, characterised in that wherein the axles (34;36) are provided with grooves (71), in which the roll bodies (70) are conduced in axial direction.
- 7. (Currently Amended) Intervertebral The intervertebral implant (1) according to Claim 5 or Claim 6, characterised in that wherein the grooves (71) in the cross-section area orthogonal to the swivel axle (3;4) are arranged in a circular arc with a sector angle between 0° and 180°.
- 8. (Currently Amended) Intervertebral The intervertebral implant (1) according to one of the claimsclaim 1-to 7, characterised in that wherein a means (40) is provided that keeps the two sections (10;20), measured at their ventral side areas (11;21), at a fixed distance from each other.
- 9. (Currently Amended) Intervertebral The intervertebral implant (1) according to one of the claimsclaim 1 to 7, characterised in that wherein a means (40) is provided that is suitable for causing temporary blocking of the mobility of the two sections (10,20) around the joints (38;39).

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- 10. (Currently Amended) Intervertebral The intervertebral implant (1) according to Claim 8 or Claim 9, characterised in that wherein the means (40) can be attached to the two ventral side areas (11,21) of the two sections (10;20).
- 11. (Currently Amended) Intervertebral The intervertebral implant (1) according to Claim 9-or Claim 10, characterised in that wherein the means (40) comprises an insert (41) with a lower end (45) and an upper end (46) and a depression (42;43) in the surfaces (16;26) at each of the two sections (10;20), which are open on the ventral side areas (11;21), and that the insert (41) with its ends (45;46) can be inserted into each of the depressions (42;43).
- 12. (Currently Amended) Intervertebral The intervertebral implant (1) according to Claim 11, characterised in that wherein the depressions (42;43) are dovetail guides and the ends (45;46) on the insert (41) are arranged complementary to these dovetail guides.
- 13. (Currently Amended) Intervertebral The intervertebral implant (1) according to Claim 12, characterised in that wherein the dovetail guides are tapered from the ventral side areas (11;21) towards the dorsal side areas (12;22).
- 14. (Currently Amended) Intervertebral The intervertebral implant (1) according to one of the claims claim 1 to 13, characterised in that wherein the upper and the lower sections (10;20) each comprises at least two drill holes (80) running through from the ventral side areas (11;21) to the apposition surfaces (15;25) with longitudinal

axes (83) for receiving bone fixation devices (81).

- 15. (Currently Amended) Intervertebral The intervertebral implant (1) according to Claim 14, characterised in that wherein the longitudinal axes (83) of the drill holes
 (80) make an angle γ with the central axis (2).
- 16. (Currently Amended) Intervertebral The intervertebral implant (1) according to Claim 15, characterised in that wherein the angle γ lies in a range of between 20° and 65°.
- 17. (Currently Amended) Intervertebral The intervertebral implant (1) according to one of the claims claim 14 to 16, characterised in that wherein the longitudinal axes (83) of the drill holes (80) as seen from the ventral side areas (11;21) diverge from the inner surfaces (16;26) against the apposition surfaces (15;25).
- 18. (Currently Amended) Intervertebral The intervertebral implant (1) according to one of the claimsclaim 14 to 17, characterised in that wherein the drill holes (80) are conically tapered towards the apposition surfaces (15;25).
- 19. (Currently Amended) Intervertebral The intervertebral implant (1) according to one of the claims claim 14 to 18, characterised in that wherein the drill holes (80) are provided with an internal thread (82).
- 20. (Currently Amended) Process for the replacement of a defect, natural

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intervertebral disk characterised by an intervertebral implant, with comprising the

steps:

A) blocking of the joint(s) (38;39) of an intervertebral implant (1) through the special

means (40) in a certain position of the joint(s) (38;39);

B) insertion of the intervertebral implant (1) into the intervertebral space to be

treated;

C) release and removal of the device (40) inserted into the intervertebral implant (1)

for blocking the joint(s) (38;39).

21. (Currently Amended) Process The process according to Claim 20, characterised

in that it additionally comprises comprising the step of the subsequent blocking of the

joint(s) (38;39) on the implanted intervertebral implant (1) through the means (40).